RELEASE NOTES

RUCKUS Unleashed 200.11 Release Notes

Supporting Unleashed 200.11

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Document History

Revision Number	Summary of changes	Publication date
A	Initial release notes	September 2021

Introduction

This document provides release information on RUCKUS Unleashed release 200.11, including new features and enhancements, along with known issues, caveats, workarounds, supported platforms and upgrade information for this release.

Introducing RUCKUS Unleashed

Unleashed is a controller-less WLAN solution that allows small businesses to deliver an enterprise-class Wi-Fi user experience in a cost effective, easy to implement, intuitive and yet feature-rich platform.

An Unleashed network can scale up to 128 Access Points and 2,048 concurrent clients in bridge mode (gateway mode supports up to 25 APs and 512 clients).

For more information on Unleashed configuration, administration, and maintenance, please see the Unleashed Online Help, available at https://docs.commscope.com/bundle/unleashed-200.11-onlinehelp/.

New in This Release

This section lists the new features and changed behavior in this release.

New Access Point in 200.11.10.5.195

- R350

  This release adds Unleashed support for the new R350 indoor 802.11ax AP.

  R350 is an 802.11ax Dual-Band Concurrent 2x2:2 .11ax(5GHz) + 2x2:2 .11ax(2.4GHz) for indoor applications which comes with a single port Ethernet (1000/100/10M) with PoE input. It also has a USB port.

- H550

  This release adds Unleashed support for the new H550 indoor 802.11ax (Wi-Fi 6) AP.

  The H550 is a 2x2:2 indoor access point. Equipped with four Ethernet ports for in-room access, the RUCKUS H550 can be used to connect a range of wired network devices such as IPtv set top boxes, IP telephones, or networked minibars while simultaneously providing dual band Wi-Fi 6 WLAN coverage and concurrent BLE & Zigbee coverage with dual IoT Radios.

- T350c

  This release adds Unleashed support for the new T350c outdoor 802.11ax (Wi-Fi 6) AP.

  The T350c is an 802.11ax / Wi-Fi 6, 2x2:2 Outdoor AP with MU-MIMO. It is an omni-directional internal antenna AP, powered through standard PoE (802.3af/at).

- T350d

  This release adds Unleashed support for the new T350d outdoor 802.11ax (Wi-Fi 6) AP.

The T350d is an 802.11ax / Wi-Fi 6, 2x2:2 Outdoor AP with MU-MIMO. Additionally, the T350d comes with an onboard BLE/ZigBee radio with a USB port that is perfect for supporting all manner of IoT technologies.

New Features

- Easy change PSK-WPA2 password for legacy device

  Provides an easy solution for the customers to continue using the previous Passphrase key or change password for the connected legacy devices. Unleashed generates DPSK keys for all connected legacy devices with previous password of the WLAN.

- Added DNS server configuration for the wireless client

  When **Gateway Mode** is enabled, the user can customize DNS Server setting for the wireless clients. If the user ignores this setting, Unleashed uses WAN Interface DNS Server setting.

- Easy ICX management by Unleashed

  Enables customer to access ICX home page from Unleashed without manual login. The proxy in Unleashed adds authentication for all ICX requests, and transfers ICX responses to the browser.

- Client Isolation Enhancement
  - **Isolate unicast packets**, **Isolate multicase/broadcast packets**, and **Automatic support for VRRP/HSRP** supported.
  - In the UI, **Auto Whitelist** is enabled by Default when **Wireless Client Isolation** is enabled. When **Auto Whitelist** is enabled, the APs auto-discover gateway devices and add them to the isolation whitelist.

- Web UI Enhancement - Admin can add guest key directly

  Unleashed administrators can create guest passes from the **Guest Access Service > Admin Generated Guest Passes** page.

- Replace FTP with HTTPS

  As a security enhancement, File Transfer Protocol (FTP) is replaced with Hypertext Transfer Protocol Secure (HTTPS).

- Unleashed OEM

  Unleashed network system provides OEM in web UI when OEM is enabled. When OEM is enabled/disabled, the system is set to factory default state and rebooted.

- Wi-Fi 6 disable

  From the UI, the user can enable or disable Wi-Fi 6 in WLAN for 11ax APs.

- AD/Radius Support Domain

  When configuring the AAA server (**Admin & Services** > **Services** > **AAA Servers**), both domain name and IP format inputs are supported for server address.

- Configuration change recording

  Records all the configuration change commands from the web UI, CLI, mobile app, and UMM to track the configuration changes.

- Enhancement for "Block mobile App remote user"

  Delete function for Mobile App Remote User Control is supported in the web UI. Under **Remote User Control**, "Create on" and "Last Login" columns are added.

- Run ICX CLI command on Unleashed CLI

  The users can access ICX CLI through the Unleashed CLI.

- Show the QR code of the PSK/DPSK SSID before applying it to the Wi-Fi network.

  Unleashed GUI displays the QR code before applying it to the Wi-Fi network. Displays the new QR code first when the network administrator clicks the "Update" button and then applies the new WLAN configuration after the network administrator clicks "Save" to save the QR code in the QR code screen.

- Display User Name returned by Radius as the "user" in web UI clients table for EDPSK users

  This feature is only for External Dynamic PSK WLAN (EDPSK). In the **Wireless Clients** page, the column “User” will show the “User-name” attribute from the “Access-Accept” packet of external Radius server. If the “User-name” attribute is empty in the “Access-Accept” packet of external Radius server, the column “User” in the web UI uses the “User-name” attribute from the “Access-Request” packet of Unleashed.
- Unleashed support downgrade to previous build

  Roll back to the previous version with the previous configuration is supported.
- Unleashed API

  Unleashed APIs are supported.
- CLI Debug from the web UI

  Unleashed network system provide web CLI commands to debug the system. Includes master CLI in master AP and AP CLI in each AP.
- Metadata support of Unleashed config

  Metadata of Unleashed configuration is created with current image version during factory reset, upgrade, and configuration import.
- Upgrade "rks-debug" mode re-implement

  Re-implementation of "rks-debug" mode because of the creation of shared private upgrade server.
- Upgrade Version List Enhancement

  Upgrade version list is sorted and displayed in reverse order and only one version per release is displayed.

Changed Behavior

- None

Hardware and Software Support

Supported Platforms

Unleashed version **200.11.10.5.195** supports the following RUCKUS AP models:

Indoor AP	Outdoor AP
C110	E510
H320	T310c
H510	T310d
M510	T310n
R320	T310s
R510	T610
R550	T610s
R610	T710
R650	T710s
R710	T750
R720	T750se
R750	T350c*

Indoor AP	Outdoor AP
R850	T350d*
R350*	
H550*	

NOTE
R350, H550, T350c, and T350d are introduced in this release.

Upgrade Information

Supported Upgrade Paths

The following release builds can be directly upgraded to Unleashed version **200.11.10.5.195**:

Online Upgrade:

- 200.7.10.2.339 (Unleashed 200.7 GA)
- 200.7.10.102.64 (Unleashed 200.7 MR1)
- 200.7.10.102.92 (Unleashed 200.7 MR2)
- 200.7.10.102.94 (Unleashed 200.7 MR3)
- 200.7.10.202.118 (Unleashed 200.7 MR4)
- 200.7.10.202.121 (Unleashed 200.7 MR5)
- 200.7.10.202.127 (Unleashed 200.7 MR6)
- 200.8.10.3.243 (Unleashed 200.8 GA)
- 200.8.10.3.278 (Unleashed 200.8 MR1)
- 200.8.10.3.290 (Unleashed 200.8 MR2)
- 200.9.10.4.202 (Unleashed 200.9 GA)
- 200.9.10.4.212 (Unleashed 200.9 GA Refresh 1)
- 200.9.10.4.233 (Unleashed 200.9 GA Refresh 2)
- 200.9.10.4.243 (Unleashed 200.9 GA Refresh 3)
- 200.10.10.5.229 (Unleashed 200.10 GA)
- 200.10.10.5.246 (Unleashed 200.10 GA Refresh 1)

NOTE
To upgrade to 200.11 using the online upgrade method, your Unleashed network must be running **200.7** or later. If your network is running an earlier release, first upgrade to 200.7, then continue to upgrade to 200.11.

Local Upgrade:

- 200.2.9.13.186 (Unleashed 200.2 GA)
- 200.3.9.13.228 (Unleashed 200.3 GA)
- 200.4.9.13.47 (Unleashed 200.4 GA)
- 200.5.10.0.235 (Unleashed 200.5 GA refresh 1)
- 200.5.10.0.291 (Unleashed 200.5 GA refresh 3)

- 200.6.10.1.308 (Unleashed 200.6 GA)
- 200.6.10.1.310 (Unleashed 200.6 GA refresh 1)
- 200.6.10.1.312 (Unleashed 200.6 GA refresh 2)
- 200.7.10.2.339 (Unleashed 200.7 GA)
- 200.7.10.102.64 (Unleashed 200.7 MR1)
- 200.7.10.202.92 (Unleashed 200.7 MR2)
- 200.7.10.202.94 (Unleashed 200.7 MR3)
- 200.7.10.202.118 (Unleashed 200.7 MR4)
- 2007.10.202.121 (Unleashed 200.7 MR5)
- 200.7.10.202.127 (Unleashed 200.7 MR6)
- 200.8.10.3.243 (Unleashed 200.8 GA)
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- 200.8.10.3.290 (Unleashed 200.8 MR2)
- 200.9.10.4.202 (Unleashed 200.9 GA)
- 200.9.10.4.212 (Unleashed 200.9 GA Refresh 1)
- 200.9.10.4.233 (Unleashed 200.9 GA Refresh 2)
- 200.9.10.4.243 (Unleashed 200.9 GA Refresh 3)
- 200.10.10.5.229 (Unleashed 200.10 GA)
- 200.10.10.5.246 (Unleashed 200.10 GA Refresh 1)

Known Issues

This section lists the caveats, limitations, and known issues in this release.

Issue	UN-5666
Description	iphone 12 fails to associate with WPA3 WLAN.

Issue	UN-5428
Description	iphone 12 (iOS 14.6) Safari is unable to open "unleashed.ruckuswireless.com".

Issue	UN-5280
Description	Android phone failed to download prov.apk from the mini browser.

Resolved Issues

This section lists any customer-reported issues from previous releases that have been resolved in this release.

Resolved Issues in Build 200.11.10.5.195

- Resolved an issue where the client is unable to access the internet sometimes. [ER-9521]

- Resolved an issue where AP rebooted due to kernel panic after enabling LACP. [ER-10577]
- Resolved an issue where multicast traffic is allowed when client isolation is enabled. [ER-10555]
- Resolved one MU-MIMO related performance issue for 11ax APs. [ER-9517]

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